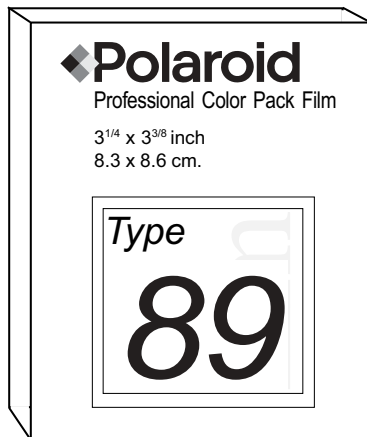


# Film Data Sheet

## T-89

### Color Pack Film



#### Film Speed

ISO 100/DIN 21

#### Format

3<sup>1</sup>/<sub>4</sub> x 3<sup>3</sup>/<sub>8</sub> in. (8.3 x 8.6 cm)  
Pack Film

#### Image Area

2<sup>3</sup>/<sub>4</sub> x 2<sup>7</sup>/<sub>8</sub> in. (6.9 x 7.2 cm)

#### Finish

Glossy

#### Exposures per Unit

10 exposures per pack

#### Development Time

90 seconds at 70-95°F (21-35°C)

#### Description

Medium-speed, medium-contrast, medium-grain, daylight and electronic flash balanced (5500°K) color print film. It's easy to use, professional quality instant film, with sharp, bright, well-saturated colors, anytime, every time.

#### Key Application

- Professional photography (proofing or final art)
- Passport/document photography

#### Compatible Hardware

- Cameras or instruments with CB-103 Back or OEM CB-80 or CB-100 Back (these holders are supplied by medium format camera manufacturers such as Mamiya, Hasselblad, Konica, Pentax, and Bronica)
- Polaroid Model 405 Film Holder
- MiniPortrait Cameras, such as M203, M403, and SPd 360.

#### Special Instructions

##### Viewing:

When evaluating the color balance of a print, use the same light source under which the print is to be viewed as a finished product.

##### Laminating prints:

This film is NOT recommended for use with laminates requiring a wet print to produce a photo-destruct bond.

Not for use for emulsion lift.

#### Alternative Product

- T-88

#### Processing Information

Temperature °F	Temperature °C	Proc. Time (sec.)	Equivalent Film Speed (ISO/DIN)	Exposure Adjustment
70-105	21-40	90	125/22	None
65-69	18-20	120	125/22	None
61-64	16-17	150	125/22	None
55-60	13-15	180	125/22	None

#### Caution

This film uses a small amount of caustic paste. If any paste appears, avoid contact with skin, eyes and mouth and keep away from children and animals. **If you get some paste on your skin, wipe it off immediately, then wash with water to avoid an alkali burn.** If eye contact occurs, quickly wash the area with plenty of water and see a doctor. Keep discarded materials away from children, animals, clothing and furniture.

#### Limited Warranty

See information on the film box.

# T-89

## Instant Color Peel-Apart Film



The information in this data sheet represents the typical performance of Polaroid's 89 color film. Specific film lots may vary.

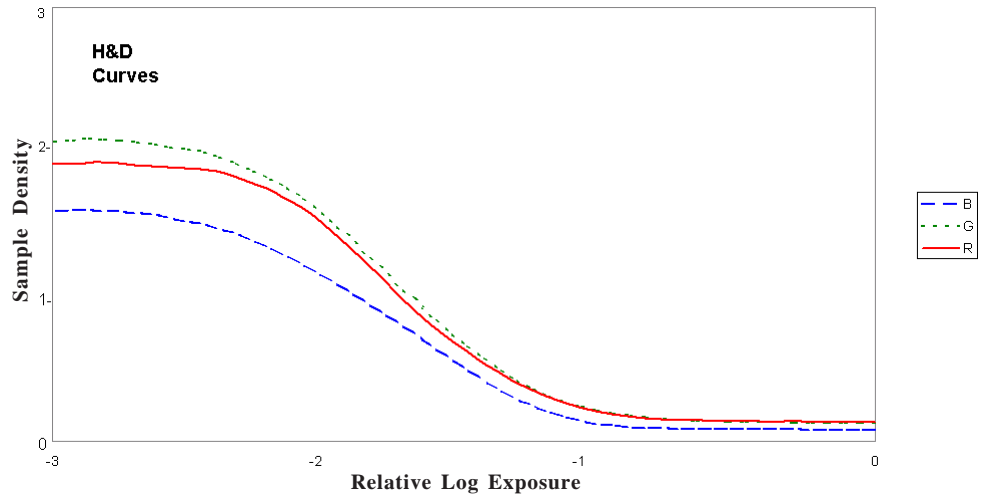
**Recommended speed:**  
ISO/DIN 125/22°

**Recommended processing time and temperature:**  
90 seconds at 70° -95°F  
(21°-35°C)

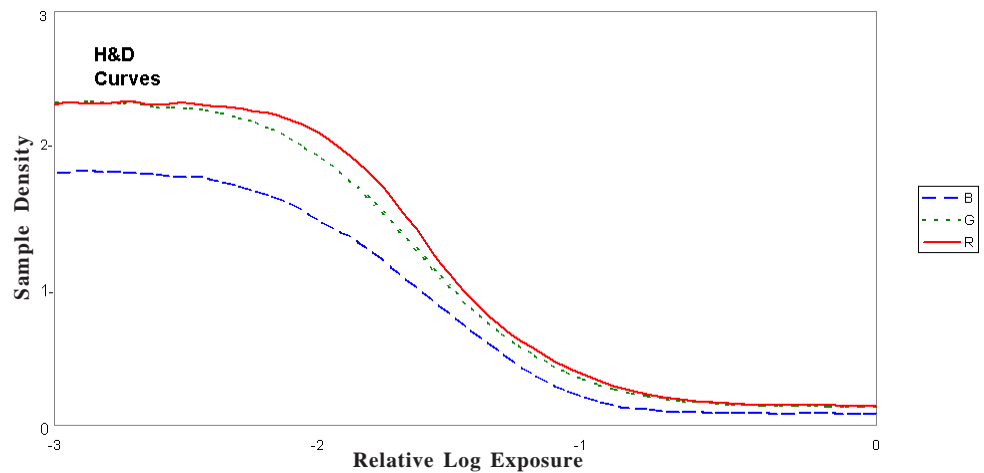
**Balance:**  
Daylight and electronic flash (5500°K)

**Contrast:**  
Medium

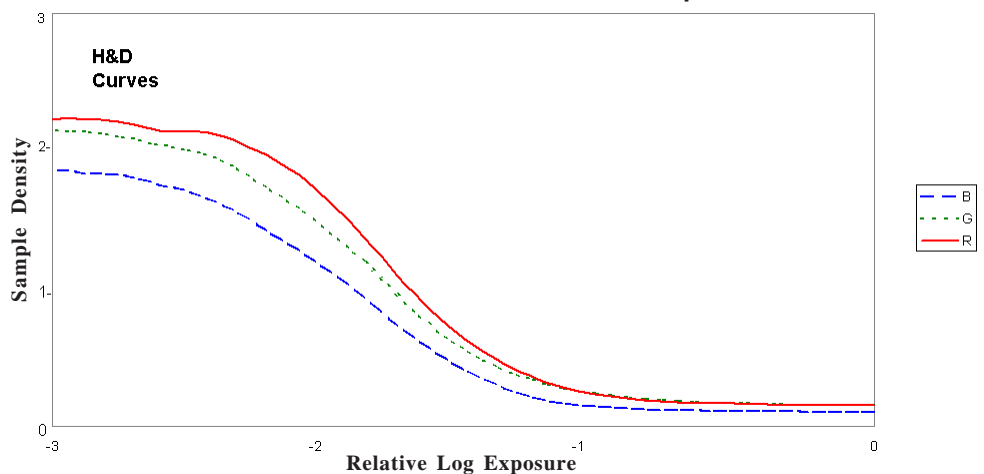
### Characteristic H&D Curves for Normal Development



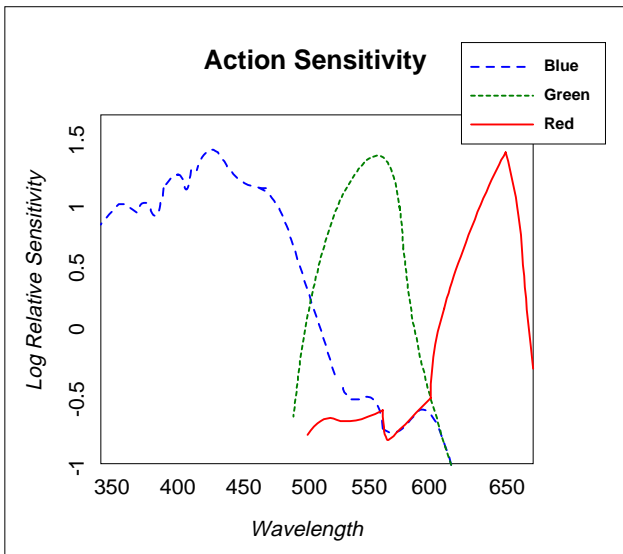
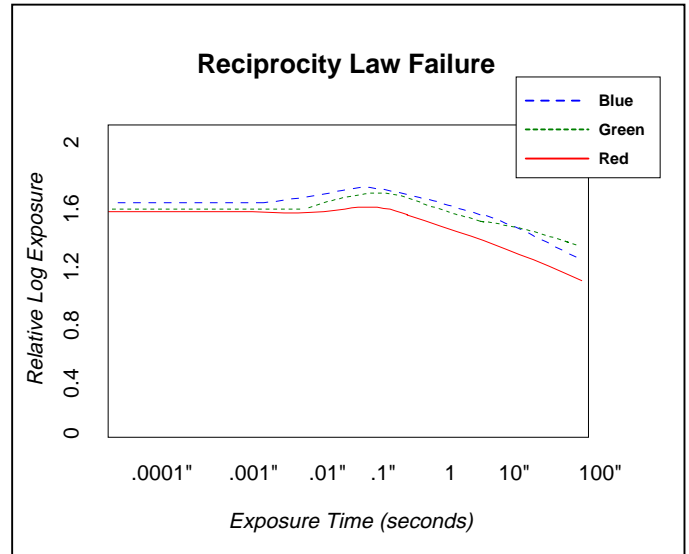
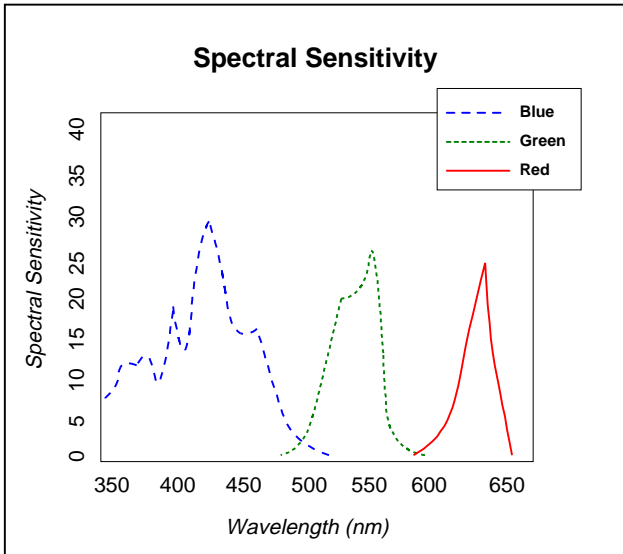
### Characteristic H&D Curves for Cold Development



### Characteristic H&D Curves for Hot Development



**T-89**  
**Instant Color Peel-Apart Film**



**Reciprocity:** The ability of the film to respond in a constant manner to a constant exposure (light intensity x time). Reciprocity failure occurs during very long or very short exposures, requiring the photographer to increase exposure.

**Spectral Sensitivity:** Shows the equivalent energy needed at each wavelength in order to activate the emulsion dyes so that they produce a neutral density of 0.75.

**Action Spectra:** Shows the film's relative sensitivity throughout the visual spectrum.

*Film Data Sheet*  
*Technical Data*

**Polacolor T-79, T-579, T-679, T-690, T-879, T-89**  
**Instant Color Peel-Apart Films**



<b>Intermittency Effect (Multi-Pop)</b>				
<b>Polaroid Proof</b>			<b>Ektachrome (100Plus)</b>	
<i># of Flashes</i>	<i>*Exposure Change</i>	<i>**Color Correction</i>	<i>Exposure Change</i>	<i>Color Correction</i>
1	none	none	none	none
2	1 stop	cc 5 red	none	none
4	2 stops	cc 10 magenta + 5 yellow	+1/3	none
8	3 stops	cc 15 magenta + 5 yellow	+ 1/2	cc 5 magenta
16	4 stops	cc 25 magenta + 10 yellow	1	cc 5 magenta

\* Exposure change from the best Polaroid Proof

\*\* The Polaroid Proof has an increasing green color balance from 4 to 16 flashes. Use the above magenta filtration to subtract green. The recommended filters require the following exposure changes: cc 5m - none, cc 10m + 1/3, and cc 20m + 2/3.

<b>Filter Recommendations</b>			
<i>Color Temp (°K)</i>	<i>Exposure</i>	<i>Filtration</i>	<i>Effective ISO (approx.)</i>
2800°K	1/8 sec	80A + 5M	32
	1 sec.	80A + 20M	25
	4 sec.	80A + 30M	20
	15 sec.	80A + 40M	16
3200°K	1/8 sec.	80A	32
	1 sec.	80A + 10M	25
	4 sec.	80A + 20M	20
	15 sec.	80A + 30M	16